

ABSTRACT

A system may facilitate performance of a data-modifying operation in a file network that includes multiple servers that store replicas of data. One of the servers may serve as a primary replica for one of the replicas of data and at least one other one of the servers may serve as at least one secondary replica for the replica of data. The system may send data associated with the data-modifying operation to the primary replica and the at least one secondary replica based on a network topology and independently send a data-modifying control signal that requests execution of the data-modifying operation using the data associated with the data-modifying operation to the primary replica and the at least one secondary replica.